

Home > IP Services > PatentScope > Patent Search



Search result: 1 of 1

(WO/2003/011967) CURABLE COMPOSITION, CURED ARTICLE OBTAINED THEREFR(AND PHOTOCHROMIC OPTICAL MATERIAL AND PROCESS FOR PRODUCING THE SAME

Biblio. Data Description Claims National Phase **Notices Documents**

Latest bibliographic data on file with the International Bureau

Publication Number: WO/2003/011967 / International Application No.: PCT/JP2002/002921 **Publication Date:** 13.02.2003

26.03.2002 International Filing Date:

Chapter 2 Demand Filed: 18.11.2002

C08F 220/36 (2006.01), C08F 230/08 (2006.01), C08G 18/81 (2006.01), C09D 4/00 (2006.01), G02B Int. Class.:

5/23 (2006.01)

Applicants: TOKUYAMA CORPORATION [JP/JP]; 1-1, Mikage-cho, Shunan-shi, Yamaguchi 745-0053 (JP) (All

Except US).

MOMODA, Junji [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi

745-0053 (JP) (US Only).

MORI, Katsuhiro [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguch

745-0053 (JP) (US Only).

Inventors: MOMODA, Junji [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi

745-0053 (JP).

MORI, Katsuhiro [JP/JP]; c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguch

745-0053 (JP).

Agent: OHSHIMA, Masataka; Ohshima Patent Office, Fukuya Bldg., 3, Yotsuya 4-chome, Shinjuku-ku, Tokyo

160-0004 (JP).

Priority Data: 2001-227374 27.07.2001 JP

2001-284521 19.09.2001 JP

Title: CURABLE COMPOSITION, CURED ARTICLE OBTAINED THEREFROM, AND PHOTOCHROMIC

OPTICAL MATERIAL AND PROCESS FOR PRODUCING THE SAME

Abstract: A useful curable composition giving a coating which has high adhesion to the substrate and to a hard coa

layer and which has highly excellent photochromic properties, i.e., a high developed-color density, a high fading rate, and excellent durability. The composition comprises (1) 100 parts by weight of one or more

radical-polymerizable monomers comprising a silyl monomer such as

ϝ -methacryloyloxypropyltrimethoxysilane and/ or an isocyanate monomer such as a 2-isocyanatoethoxymethacrylate, (2) 0.01 to 20 parts by weight of an amine compound, and (3) 0.01 to 2 parts by weight of a photochromic compound. Applying this composition as a coating material to a resinou

substrate gives a photochromic optical material which has excellent adhesion between the photochromic coating layer and the substrate.

Designated AU, BR, CA, CN, IL, JP, KR, SG, US, ZA.

States: European Patent Office (EPO) (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SI

TR).

Publication Language: Japanese (JA)

Filing Language: Japanese (JA)

(19) 世界知的所有権機関 国際事務局



(43) 国際公開日 2003 年2 月13 日 (13.02.2003)

PCT

(10) 国際公開番号 WO 03/011967 A1

(51) 国際特許分類7:

C08L 43/04,

39/00, C08K 5/00, G02B 5/23

PCT/JP02/02921

(21) 国際出願番号:(22) 国際出願日:

2002年3月26日(26.03.2002)

(25) 国際出願の言語:

日本語

(26) 国際公開の言語:

日本語

(30) 優先権データ:

特願2001-227374 2001年7月27日(27.07.2001) JP 特願2001-284521 2001年9月19日(19.09.2001) JP

(71) 出願人 *(*米国を除く全ての指定国について*)*: 株式会 社トクヤマ (TOKUYAMA CORPORATION) [JP/JP]; 〒745-0053 山口県 徳山市 御影町 1 番 1 号 Yamaguchi (JP).

(72) 発明者; および

(75) 発明者/出願人 (米国についてのみ): 百田 潤二 (MO-MODA,Junji) [JP/JP]; 〒745-0053 山口県 徳山市 御影

町 1 番 1 号 株式会社トクヤマ内 Yamaguchi (JP). 森 力宏 (MORI,Katsuhiro) [JP/JP]; 〒745-0053 山口県 徳 山市 御影町 1 番 1 号 株式会社トクヤマ内 Yamaguchi (JP).

(74) 代理人: 大島正孝 (OHSHIMA,Masataka); 〒160-0004 東京都 新宿区 四谷四丁目 3 番地 福屋ビル 大島特許 事務所 Tokyo (JP).

(81) 指定国 (国内): AU, BR, CA, CN, IL, JP, KR, SG, US, ZA.

(84) 指定国 (広域): ヨーロッパ特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

添付公開書類:

一 国際調査報告書

2文字コード及び他の略語については、定期発行される 各PCTガゼットの巻頭に掲載されている「コードと略語 のガイダンスノート」を参照。

(54) Title: CURABLE COMPOSITION, CURED ARTICLE OBTAINED THEREFROM, AND PHOTOCHROMIC OPTICAL MATERIAL AND PROCESS FOR PRODUCING THE SAME

(54)発明の名称:硬化性組成物、その硬化体並びにフォトクロミック光学材料とその製造法

(57) Abstract: A useful curable composition giving a coating which has high adhesion to the substrate and to a hard coat layer and which has highly excellent photochromic properties, i.e., a high developed-color density, a high fading rate, and excellent durability. The composition comprises (1) 100 parts by weight of one or more radical-polymerizable monomers comprising a silyl monomer such as γ-methacryloyloxypropyltrimethoxysilane and/or an isocyanate monomer such as a 2-isocyanatoethoxymethacrylate, (2) 0.01 to 20 parts by weight of an amine compound, and (3) 0.01 to 20 parts by weight of a photochromic compound. Applying this composition as a coating material to a resinous substrate gives a photochromic optical material which has excellent adhesion between the photochromic coating layer and the substrate.

/続葉有/

